Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	12/04/2017 11:46 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124599	-1	1.16	124449	1.16
Blue	F	SSC	125000	123729	-2	2.49	124082	2.25
Blue	E	FITC	23615	22702	-4	2.30	1007	10.18
Blue	D	PE	26739	26203	-3	1.88	941	9.65
Blue	B	PerCP-Cy5-5	48339	47145	-3	3.22	1352	16.78
Blue	A	PE-Cy7	45021	44586	-1	4.88	688	34.41
Red	C	APC	53064	52056	-2	2.74	3018	9.46
Red	A	APC-Cy7	57175	56608	-1	2.81	1184	11.33
Violet	B	V450	14728	14071	-5	4.38	676	9.15
Violet	A	V500	58621	56342	-4	4.16	2491	6.41

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19459	2.51	605	-9	N/A	N/A	Pass
Blue	F	SSC	61030	1.40	543	-3	N/A	N/A	Pass
Blue	E	FITC	115	37.49	542	-6	0.0208	103	Pass
Blue	D	PE	207	28.51	532	-4	0.1652	239	Pass
Blue	B	PerCP-Cy5-5	214	44.20	630	-5	0.0102	87	Pass
Blue	A	PE-Cy7	75	117.05	689	-4	0.0128	19	Pass
Red	C	APC	351	27.89	596	-1	0.0202	78	Pass
Red	A	APC-Cy7	131	40.67	580	0	0.0054	1666	Pass
Violet	B	V450	81	40.85	468	-2	0.0444	1601	Pass
Violet	A	V500	182	21.66	495	-2	0.0166	471	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.13	-31.63	0.83
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.33
Red	18.89	14.40 - 21.60	N/A	N/A	31.55	31.91	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 11347

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments